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NOTICE OF ALLOWANCE AND FEE(S) DUE

513

7590

01/16/2009

WENDEROTH, LIND & PONACK, L.L.P. 2033 K STREET N. W. SUITE 800 WASHINGTON, DC 20006-1021 EXAMINER

HENRY, MICHAEL C

ART UNIT PAPER NUMBER

1623

DATE MAILED: 01/16/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/579.978	05/22/2006	Kazuhiro Yoshinaga	2006-0777A	3733

TITLE OF INVENTION: EFFICIENT PRODUCTION METHOD OF ASCOPYRONE P

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/16/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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appropriate. All further indicated unless correct maintenance fee notification.	correspondence including the delow or directed other than the delow or directed other trions.	ng the Patent, advance on herwise in Block 1, by (a	rders and notification of ration a) specifying a new corres	naintenance fees w pondence address;	rill be and/or	mailed to the current (b) indicating a sepa	correspondence address as arate "FEE ADDRESS" for
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WASHINGTON	N, DC 20006-1021						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/579,978	05/22/2006	•	Kazuhiro Yoshinaga			2006-0777A	3733
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nonprovisional	NO	\$1510	\$300	\$ 0		\$1810	04/16/2009
EXAM	MINER	ART UNIT	CLASS-SUBCLASS				
HENRY, M	MICHAEL C	1623	536-124000				
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 			or agents OR, alternative (2) the name of a single registered attorney or a	of up to 3 registered patent attorneys alternatively, f a single firm (having as a member a rney or agent) and the names of up to tent attorneys or agents. If no name is			
PLEASE NOTE: Un recordation as set for (A) NAME OF ASSI	less an assignee is ident th in 37 CFR 3.11. Comp GNEE	ified below, no assignee oletion of this form is NO	T a substitute for filing an (B) RESIDENCE: (CITY	atent. If an assigno assignment. and STATE OR C	OUNT	TRY)	ocument has been filed for
Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent):	Individual LCc	rporati	on or other private gro	oup entity 🖵 Government
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			b. Payment of Fee(s): (Pleat A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo	d. Form PTO-2038	is atta	iched. required fee(s), any de	
a. Applicant claim	ntus (from status indicated ns SMALL ENTITY statu	is. See 37 CFR 1.27.	☐ b. Applicant is no long	-			
NOTE: The Issue Fee an interest as shown by the	nd Publication Fee (if req records of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other than t COffice.	ne applicant; a regi	stered :	attorney or agent; or th	ne assignee or other party in
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Typed or printed name				-			
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513	7590 01/16/2009		EXAMINER	
WENDEROTH.	LIND & PONACK,	HENRY, MICHAEL C		
2033 K STREET N. W.			ART UNIT	PAPER NUMBER
SUITE 800 WASHINGTON, DC 20006-1021			1623 DATE MAILED: 01/16/200	9

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/579,978	YOSHINAGA ET AL.	
Notice of Allowability	Examiner	Art Unit	
	MICHAEL C. HENRY	1623	
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in or other appropriate communication is surprised in the communication in the communication is surprised in the communication in the c	this application. If not included nication will be mailed in due course. THIS	/e
1. This communication is responsive to 10/27/08.			
2. X The allowed claim(s) is/are 1-3 and 5-8. The claims are rea	numbered 1-7, respectively.		
 Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	be been received. been received in Application	n No	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	IENT of this application.		
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) \square including changes required by the Notice of Draftspers	son's Patent Drawing Review	(PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			
Attachment(s)	—		
1. Notice of References Cited (PTO-892)	_	ormal Patent Application	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paper No./N	mmary (PTO-413), ⁄lail Date	
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 	7. 🔲 Examiner's A	Amendment/Comment	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's S	Statement of Reasons for Allowance	
or biological material	9. 🔲 Other		
	/Shaojia Anna	-	
	Supervisory Pate	ent Examiner, Art Unit 1623	

Reasons for Allowance

Page 2

Applicant's arguments, see Remarks, pages 3-5, filed 10/27/08 and declaration under 37 C.F.R. 1,132, with respect to claims 1-3, 5-8 have been fully considered and are persuasive. Consequently, the 103 rejections of claims 1-3, 5-7 have been withdrawn.

Applicant's amendment has overcome the claims objection. Consequently, the said claims objection is withdrawn.

The following is an examiner's statement of reasons for allowance: The examiner has found claims 1-3 and 5-8 to be unobvious over the prior art of record and therefore to be allowable over the prior art of record. The present invention relates to a method for producing ascopyrone P, which comprises heating an aqueous solution of 1,5-D-anhydrofructose at a pH of 2 to less than 7 and a temperature of 100°C or higher. The relative prior art documents do not teach or suggest making the ascopyrone P at the claimed pH and temperature, nor is the claimed method obvious over the prior art. Furthermore, Applicant's declaration demonstrates that the method of the present invention, which is carried out at a pH of 2 to less than 7 and a temperature of 100°C or higher, produces Ascopyrone P at a high yield of more than 25 % in a short period of time, for example, 5 minute, whereas at under other conditions low yield is produced in a short period of time.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably Application/Control Number: 10/579,978 Page 3

Art Unit: 1623

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Henry whose telephone number is 571-272-0652. The examiner can normally be reached on 8.30am-5pm; Mon-Fri. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shaojia A. Jiang can be reached on 571-272-0627. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael C. Henry January 12, 2009. /Shaojia Anna Jiang/ Supervisory Patent Examiner Art Unit 1623